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- 22. A fertilizer composition according to claim 20, wherein the malt extract or spent grain liquor is a by-product of a brewing process.
- 23. A fertilizer composition according to claim 20, wherein the malt extract or spent grain liquor is a by-product of beer brewing.
- 24. A fertilizer composition according to claim 20, wherein the composition comprises both soluble and insoluble material.
- 25. A fertilizer composition according to claim 24, wherein the soluble material comprises one or more of simple sugars, free amino nitrogen glucans, vitamins and calcines.
- 26. A fertilizer composition according to claim 25, wherein the free amino nitrogen is protein.
- 27. A fertilizer composition according to claim 24, wherein the insoluble material comprises proteins and/or carbohydrates.
- 28. A fertilizer composition according to claim 20, wherein the composition is either a liquid or a solid.
- 29. A fertilizer composition according to claim 27, wherein the solid is a dry powder.
- 30. A fertilizer composition according to claim 28, further comprising one or more bacteria and/or yeast.
- 31. A fertilizer according to claim 30, wherein the bacteria are a mixture of organisms selected from the group consisting of *Bacillus* spp, *Pseudomonas* spp, *Azotobacter* spp, *Nitrobacter spps, Azospirillium spp*, and *Detxia* spp.
- 32. A fertilizer composition according to claim 28, further comprising yeast extract and/or a yeast cell wall preparation.



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- 33. A method of improving plant growth, comprising the step of applying to said plant an effective amount of a fertilizer composition according to claim 20.
- 34. A method of improving soil condition, comprising the step of applying to said soil an effective amount of a fertilizer composition according to claim 20
- 35. A method of preventing or inhibiting fungal growth, comprising the step of applying to soil or plants an effective amount of a fertilizer composition according to claim 20.
- 36. A method according to any claim 34, wherein the composition is applied by spray or mechanical spreader.
- 37. A method of manufacturing a fertilizer composition according to claim 20 comprising the step of extracting spent grain liquor or malt extract from a brewing process.
- 38. / A method according to claim 37, further comprising the step drying said composition.

